

Message to Denver Water Engineering Standards Users

July 11, 2018

As previously addressed, Denver Water continues to develop and improve a library of standards for use within the Denver Water service area. These standards include the *Capital Projects Construction Standards*, *CAD Standards Manual*, and *Engineering Standards*. Denver Water continues to develop these to improve internal efficiencies as well as coordination with our Distributors, Consultants, and Contractors.

The *Engineering Standards, 15th Edition*, is effective June 30, 2018 for use on all projects designed and constructed within Denver Water's contract areas. The *Engineering Standards* continue to build on our rich history while keeping up with code revisions, industry standards and acceptable manufacturers.

The *Engineering Standards, 15th Edition*, is a comprehensive update that has changes throughout the Chapters, Material Specifications and Standard Drawings. Users shall review the document in its entirety for use within the Denver Water Contract Area. Significant changes to note include:

- Chapters:
 - 2.04 – Revised to reference the Sales Administration plan review process located on the DenverWater.org site
 - 5.15 – Interconnects with Other Water Systems has been expanded and clarified
 - 6.31 – Pipe insulation was added
 - 8.11.E – 3M passive marking balls has been added in lieu of tracer wire Inside Denver and Total Service
 - 8.29 – Trenchless Installation pipe material was clarified
 - 8.30 – Horizontal Directional Drilling was clarified with pipe material requirements
 - 8.31.B – Pipe material requirements were updated
 - 12 – Revised to reflect current CDPHE requirements
- Materials Specifications:
 - 4 – Updated the list of Approved Manufacturers
 - 5 – Revised the size range to 3-inch through 20-inch, added requirements for installation for 14-inch through 20-inch, updated the list of Approved Manufacturers
 - 9 – Updated the list of Approved Manufacturers and Models
 - 10 – Revised the pilot system requirements and the updated the list of Approved Manufacturers
 - 15 – Updated the list of Approved Manufacturers and Model numbers
 - 23 – Added Press Fittings
 - 29 – Added integrally restrained joints for PVC and DI Pipe under Bell-Spigot Restraints, updated the lists of Approved Manufacturers and Models
 - 34 – Revised the carrier pipe requirements, updated the list of Approved Manufacturers and Models
 - 37 – Added the Dismantling Joint specification
 - 38 – Added the Resilient Seated Insertion Valve specification

- Standard Drawings:
 - Sheets 1-86 have been renumbered
 - Added Sheets 12, 23, 34, 35, 51, 52, 53, 54, 85 and 86
 - Revised Sheets 30-36 to include an optional dismantling joint installation

- Appendix I:
 - Moved the Procedure for Evaluation of Materials to the end of the document

Please contact Katie Ross with any questions regarding the *Engineering Standards* and *Capital Project Construction Standards*.

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Denver Water proudly serves high-quality water and promotes its efficient use to 1.4 million people in the city of Denver and many surrounding suburbs. Established in 1918, the utility is a public agency funded by water rates, new tap fees and the sale of hydropower, not taxes. It is Colorado's oldest and largest water utility.